Product datasheet

Specifications





TeSys F contactor - 4P(4 NO) -AC-1 - <= 440 V 500 A - without coil

LC1F4004

(!) To be discontinued on: Dec 31, 2023

() To be discontinued

Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Contactor
Device Short Name	LC1F
Contactor Application	Resistive load
Utilisation Category	AC-1
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] Rated Operational Current	500 A (at <40 °C) at <= 440 V AC AC-1

Complementary

481000 V AC 40400 Hz with LX1/LX9 coil
48440 V DC with LX4 coil
100250 V AC 50/60 Hz with LXE coil
100380 V DC with LXE coil
8 kV
III
500 A (at 40 °C)
4000 A AC conforming to IEC 60947-4-1
3200 A conforming to IEC 60947-4-1
3600 A 40 °C - 10 s
2400 A 40 °C - 30 s
1700 A 40 °C - 1 min
1200 A 40 °C - 3 min
1000 A 40 °C - 10 min
400 A aM at <= 440 V
500 A gG at <= 440 V
0.26 mOhm - Ith 500 A 50 Hz
1000 V conforming to IEC 60947-4-1
1500 V conforming to VDE 0110 group C
65 W AC-1

with LX1/LX9 coil coil with LXE coil th LXE coil E coil coil
vil ith LXE coil E coil bil
KE coil oil I
l
1
ross section: 30 x 5 mm
le(s) 150 mm ²
cable(s) 14 mm ² flexible without cable end
2 cable(s) 14 mm ² flexible with cable end I cable(s) 14 mm ² flexible with cable end
2 cable(s) 12.5 mm ² solid without cable end
l cable(s) 14 mm ²
2 cable(s) 14 mm ²
1.0 cable(s) 0.22.5 mm ² flexible without cable
I.0 cable(s) 0.252.5 mm ² flexible with cable
1.0 cable(s) 0.22.5 mm ² solid without cable
9 (at 20 °C),with ¥1/ ¥9 ani
.9 (at 20 °C)with LX1/LX9 coil
20 °C)with LXE coil
20 °C)with LX1/LX9 coil
20 °C)with LXE coil

Ip Degree Of Protection

IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106

Protective Treatment	тн
Ambient Air Temperature For Operation	-555 °C
Ambient Air Temperature For Storage	-6080 °C
Permissible Ambient Air Temperature Around The Device	-4070 °C
Operating Altitude	3000 m without derating
Mechanical Robustness	Vibrations contactor open: 1.5 Gn, 5300 Hz Vibrations contactor closed: 5 Gn, 5300 Hz Shocks contactor open: 6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed: 15 Gn for 1/2 sine wave (11 ms)
Height	206 mm
Width	261 mm
Depth	219 mm
Net Weight	8 kg

Packing Units

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	25.600 cm
Package 1 Width	25.400 cm
Package 1 Length	30.200 cm
Package 1 Weight	9.712 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	8
Package 2 Height	77.000 cm
Package 2 Width	80.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	89.620 kg

Contractual warranty

Warranty

12 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information